CLAIMS

1. A heating device, which is subdivided into several areas, having at least one first area and a second area and is provided with a first excess temperature protection, wherein said first area has a maximum first power and is monitored by said first excess temperature protection and said second area has a maximum surface heating power of approximately 2.5 W/cm² and is operated without monitoring by said first excess temperature protection.

2. Heating device according to claim 1, wherein said second area is operated completely without monitoring by excess temperature protection.

3. Heating device according to claim 1, wherein said second area engages with said first area at least along half the outer border.

4. Heating device according to claim 3, wherein said second area surrounds said first area and said areas are arranged concentrically.

5. Heating device according to claim 4, wherein said areas are circular.

6. Heating device according to claim 1, wherein said power for said first area is more than the standard basic power for such a type of radiant heater.

7. Heating device according to claim 6, wherein said power for said first area is max 2500 Watt in the case of a circular first area with a diameter of 230 mm.

8. Heating device according to claim 6, wherein said first area has a switch-in power, which can be switched into said basic power and in a state with said switched-in power said maximum first power is applied.

9. Heating device according to claim 1, wherein said power for said second area is 600 Watt.

10. Heating device according to claim 1, wherein said excess temperature protection is a rod controller, which at least partly engages over said first area.

11. Heating device according to claim 1, wherein there is a control device with an additional contact for switching a basic power or switch-in power to said total, maximum first power for said first area.

12. Heating device according to claim 10, wherein there is an electronic control, which has a further relay for switching the switch-in power to said total, maximum first power, in addition to said basic power.

13. Heating device according to claim 1, wherein said heating device is a radiant heater with a heating conductor made from resistance material.

14. Heating device for a hob with a glass ceramic cooking area, which is subdivided into at least one first area and a second area, wherein one said first area is monitored by a first excess temperature protection and has a maximum first power and said second area is operated without monitoring by said first excess temperature protection and has a maximum surface power of approximately 2.5 W/cm^2.